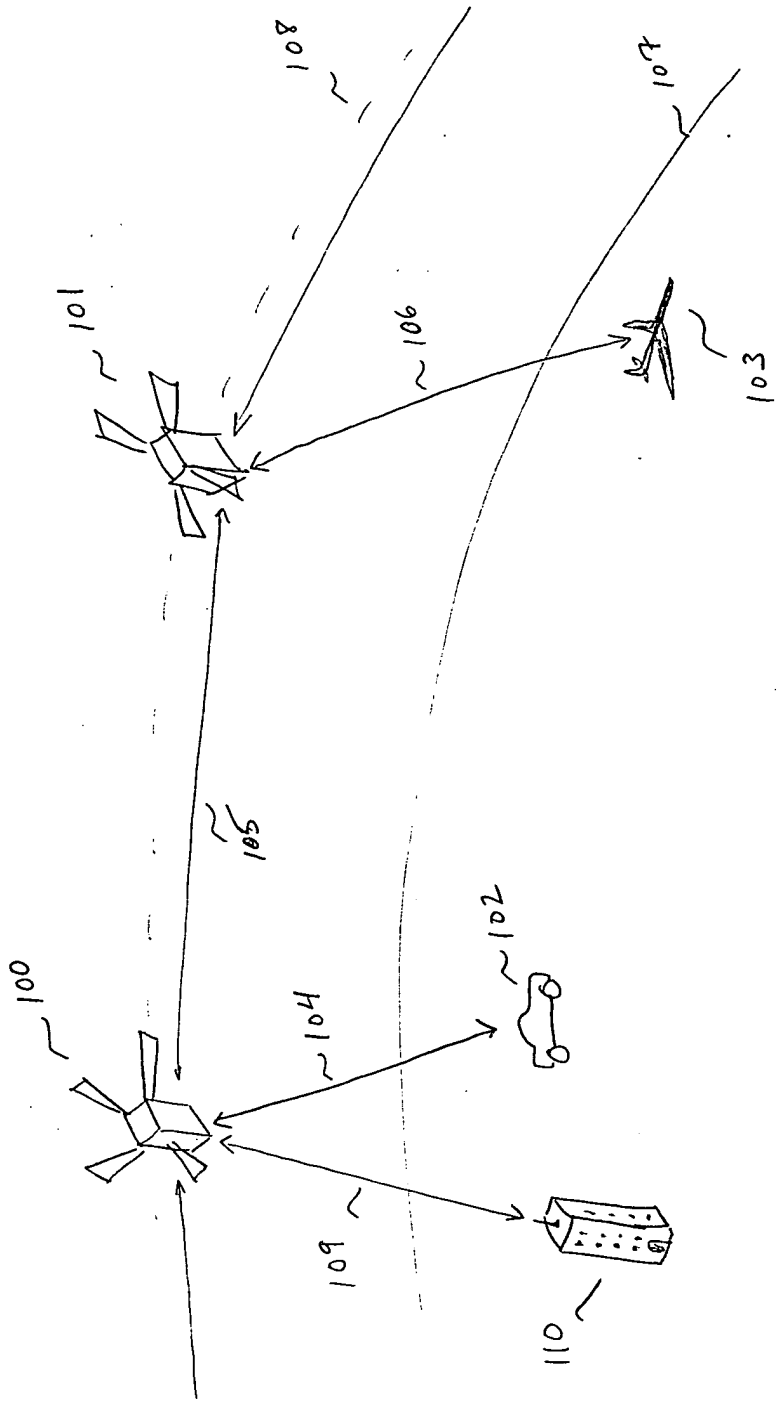


FIG. 1

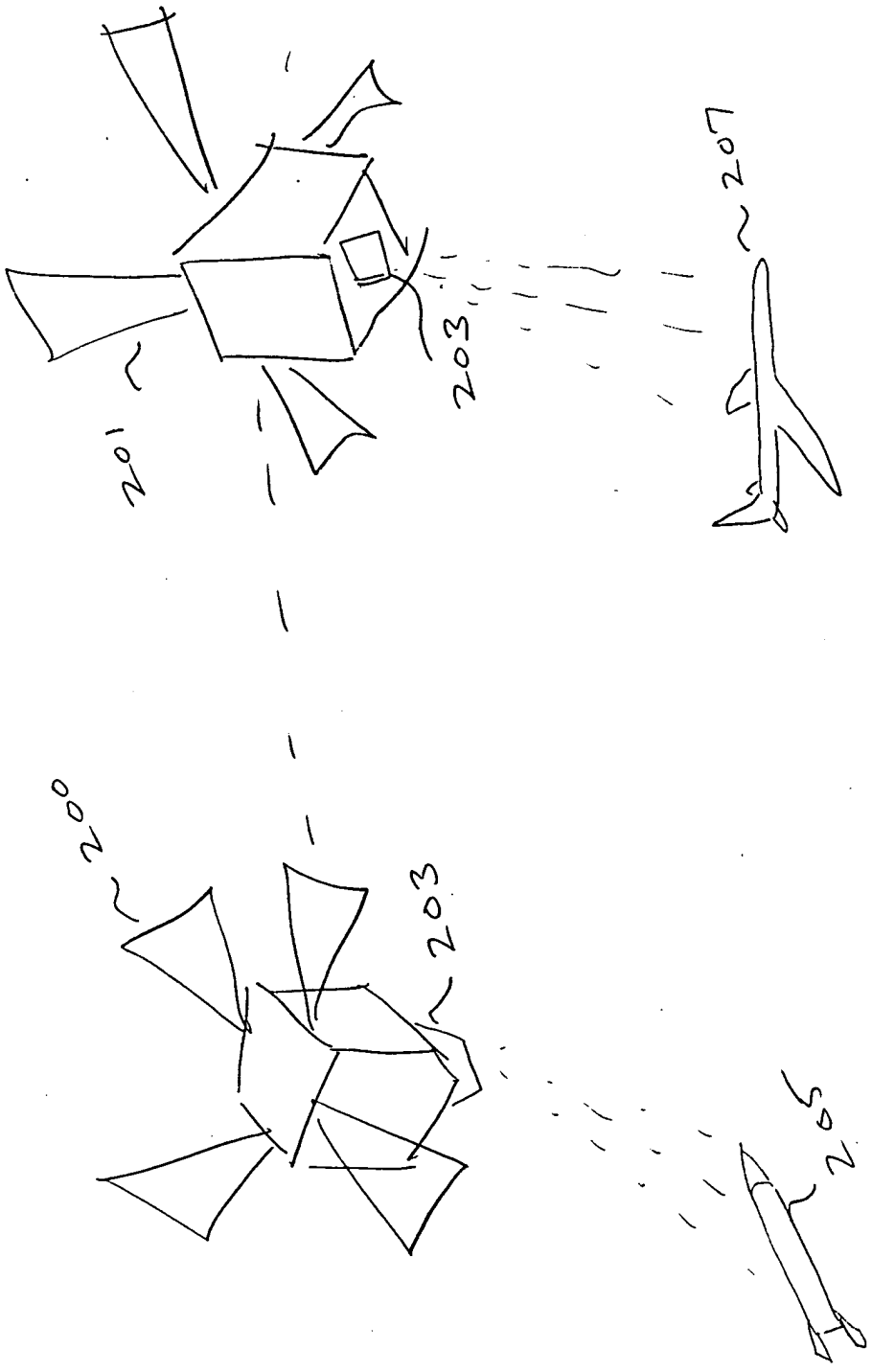
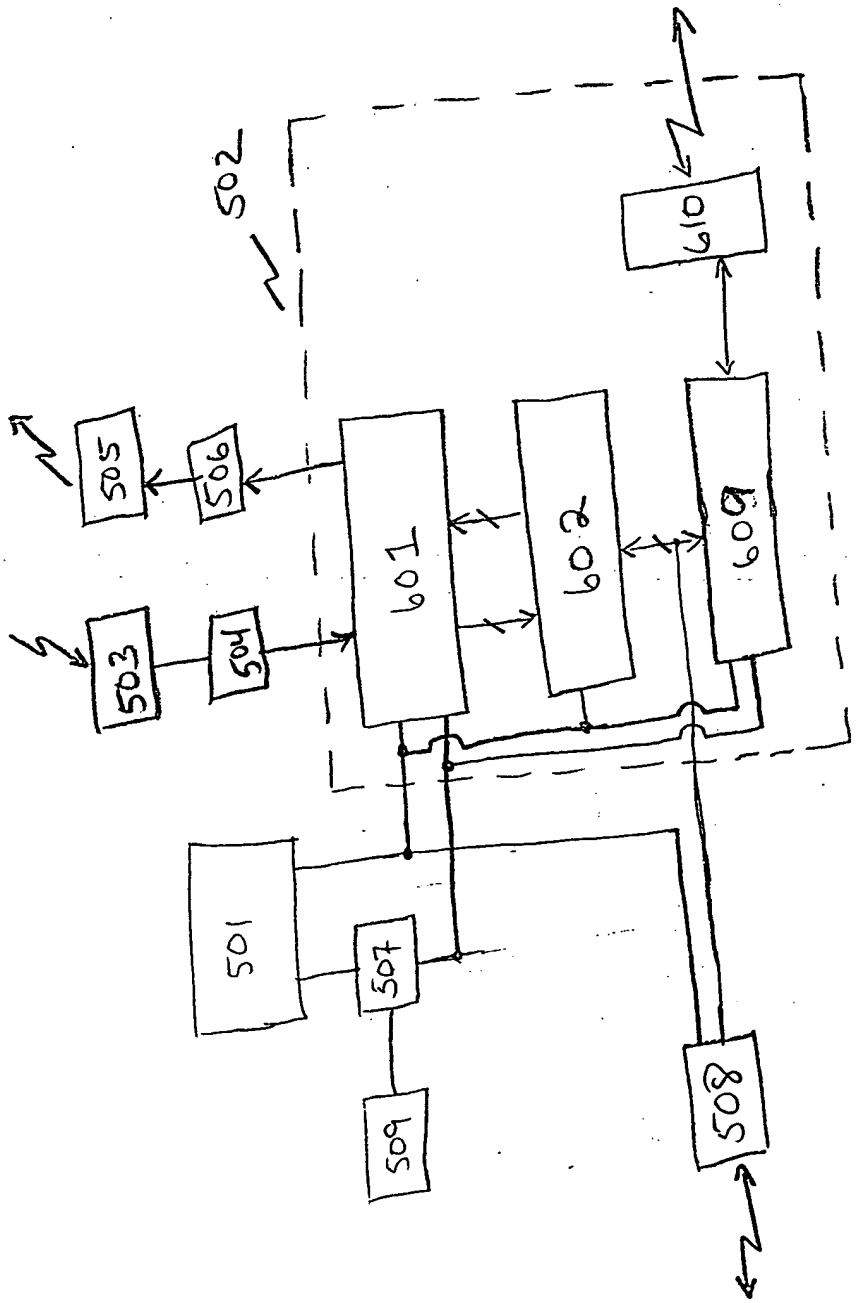


FIG. 2

FIG 3A



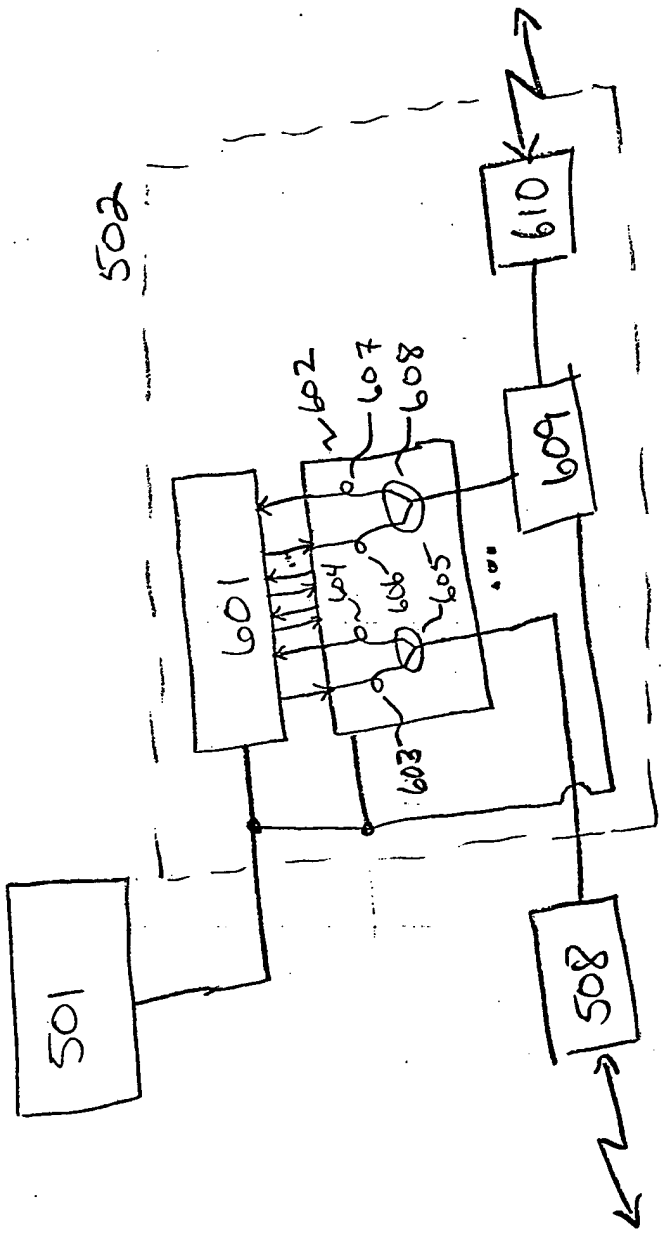


FIG. 3B

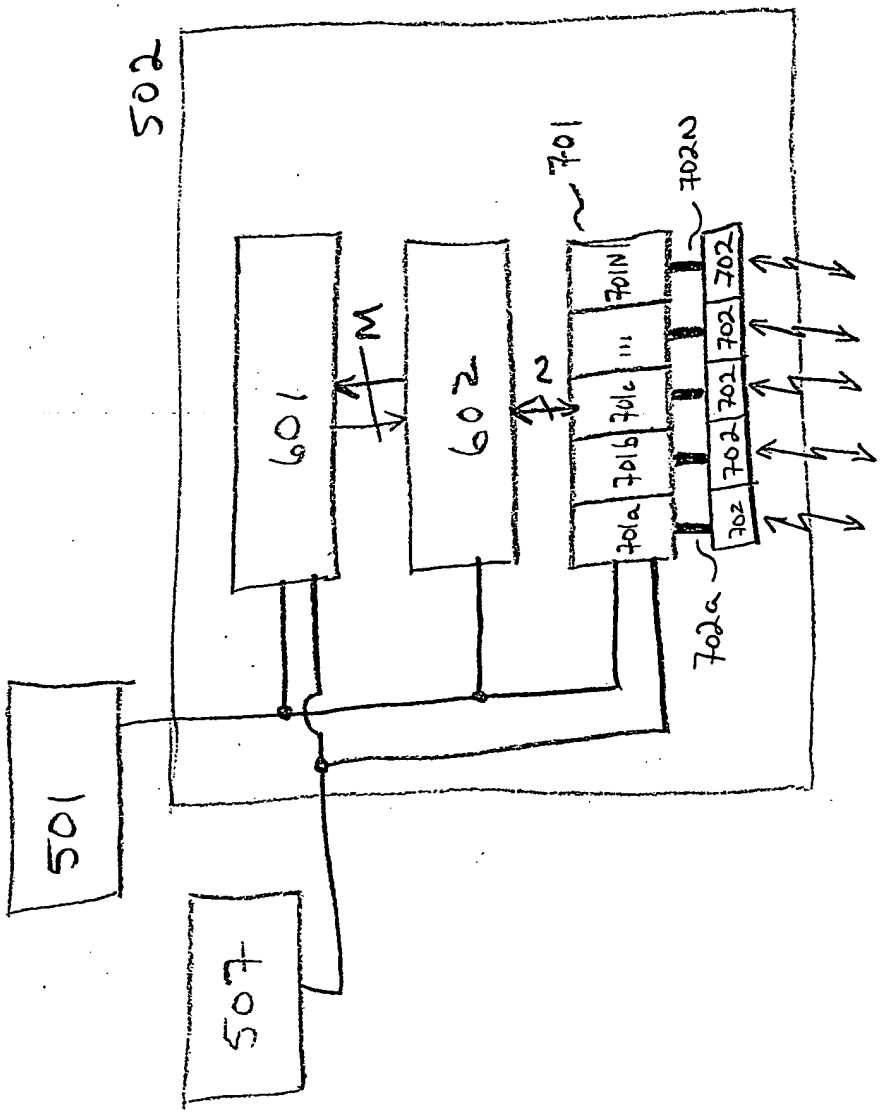
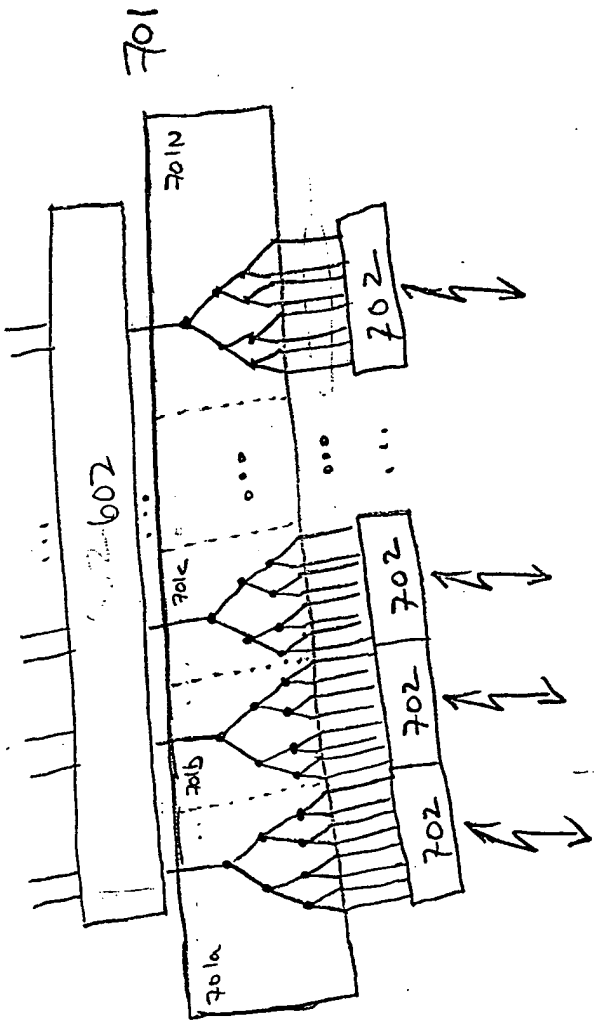

502
601
602
M
N
701
701N
701a
701b
701c
702a
702
702
702
702
702N
501
507

FIG. 4A

FIG. 4B



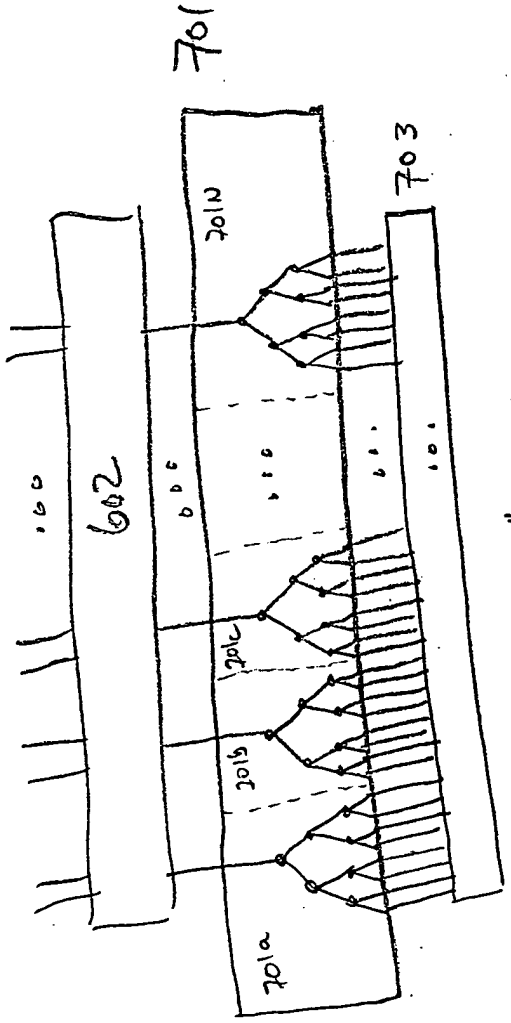


FIG 4C

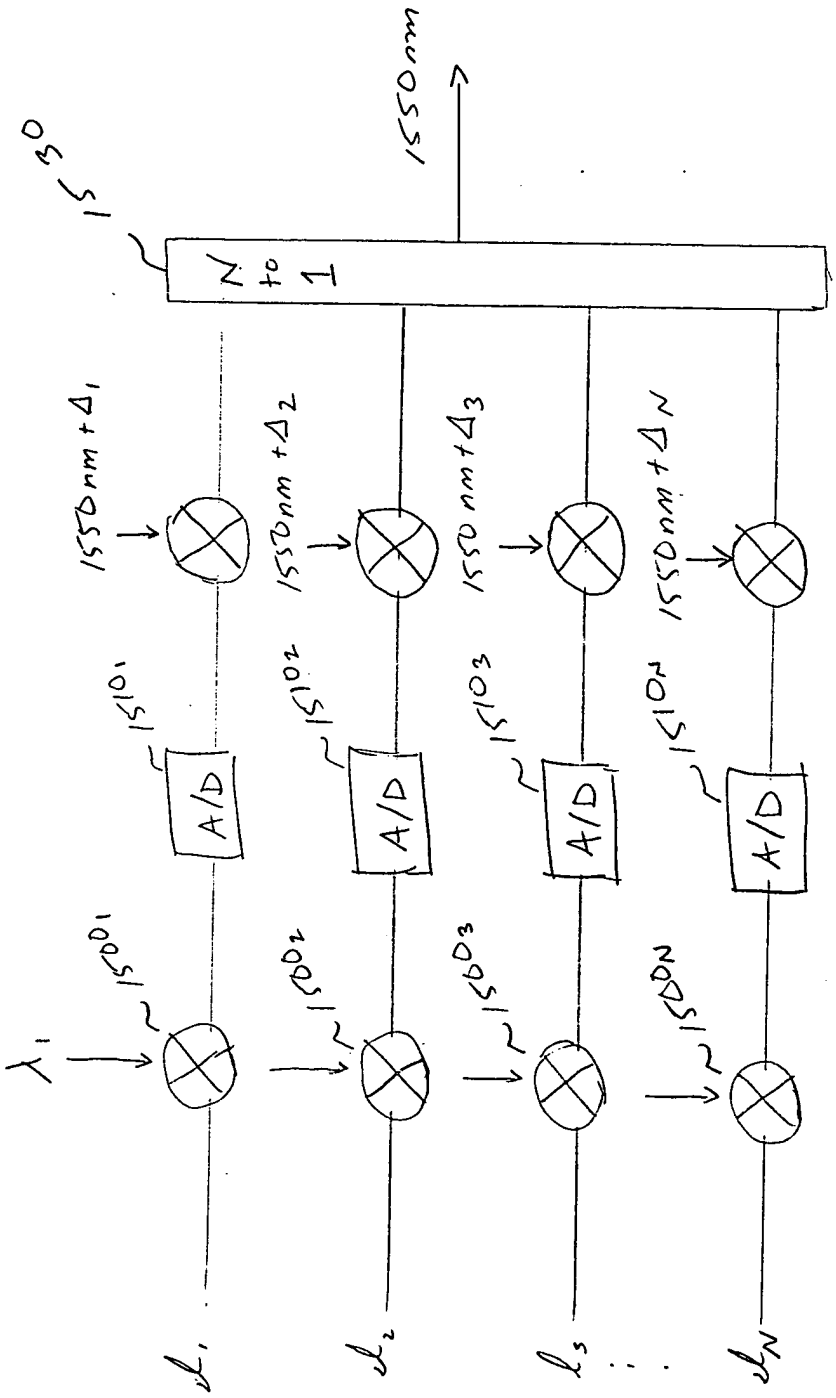

1550
N to 1
1550nm
1550nm + Δ1
1550nm + Δ2
1550nm + Δ3
1550nm + ΔN
A/D
A/D
A/D
A/D
λ1
λ2
λ3
λN

FIG. 5

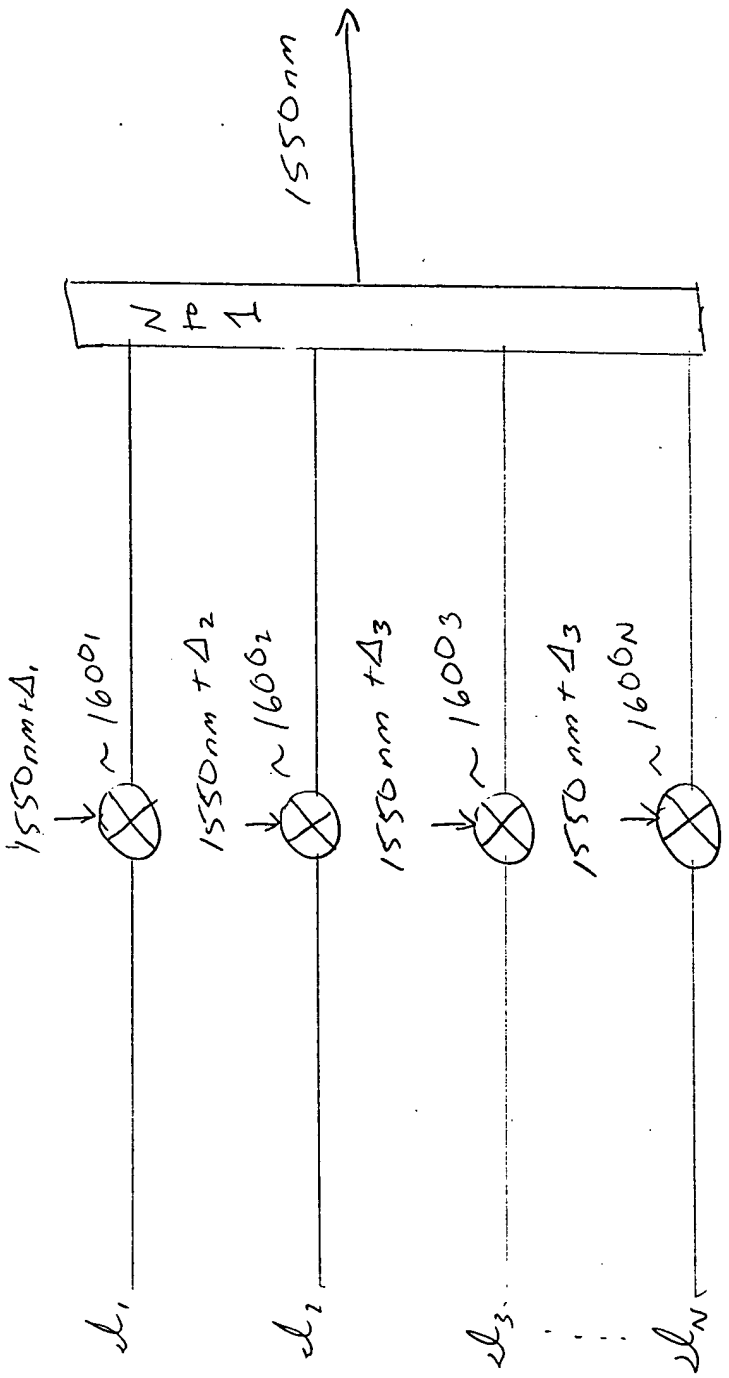

1550nm
N to 1
1550nm+Δ1
~1600 1
1550nm+Δ2
~1600 2
1550nm+Δ3
~1600 3
1550nm+Δ3
~1600 N
λ1
λ2
λ3
λN

FIG. 6

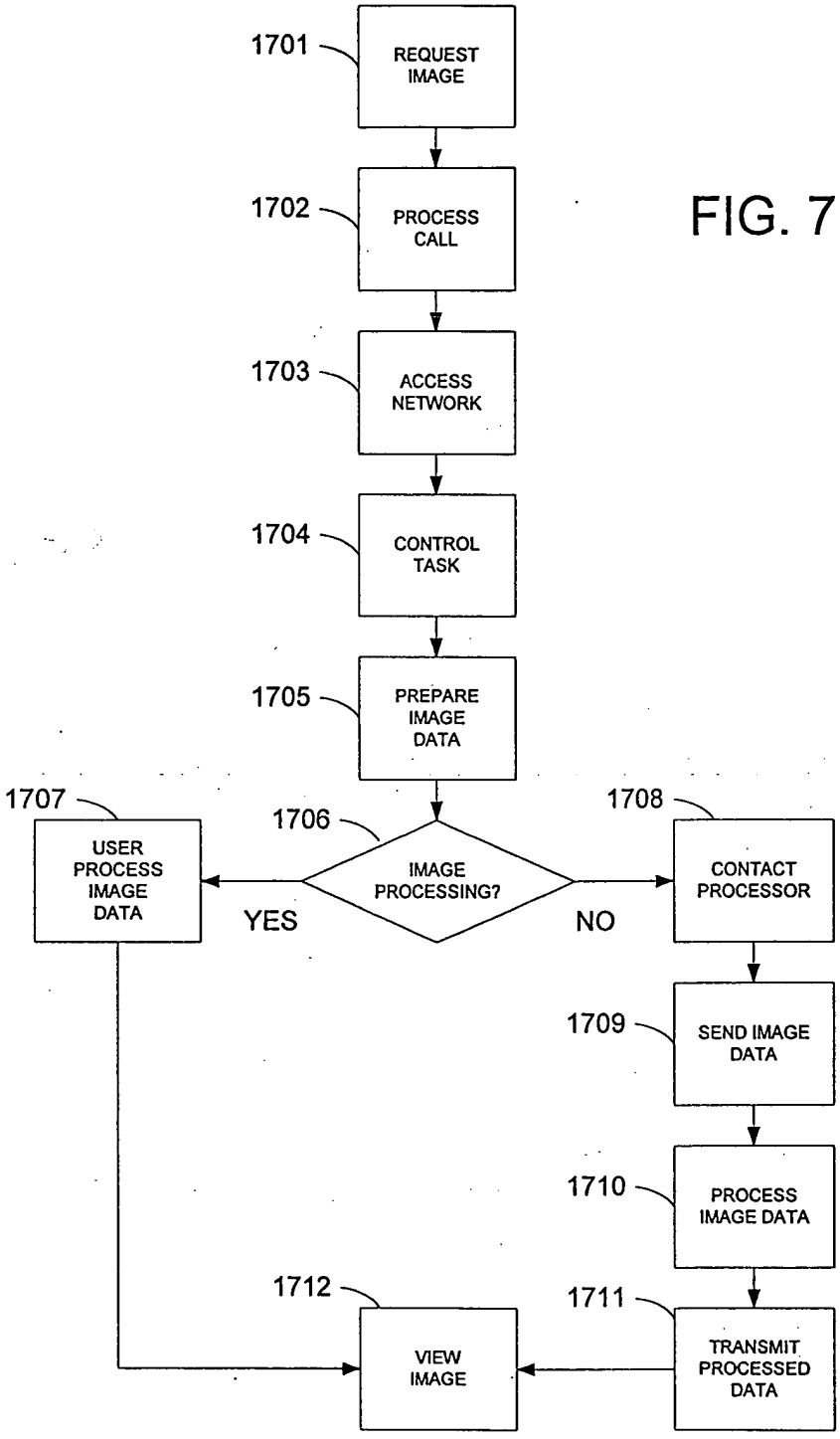
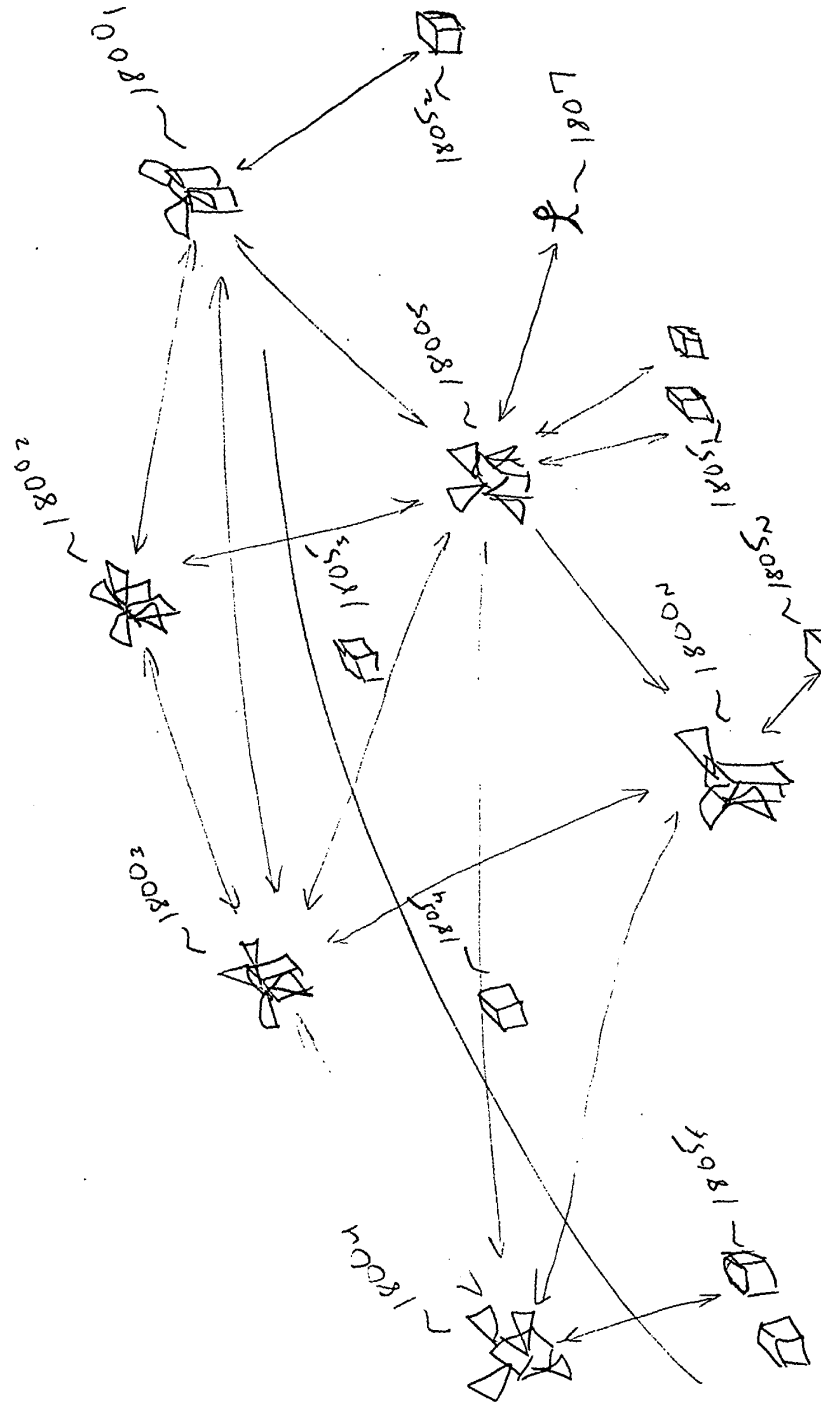

1701
REQUEST IMAGE
1702
PROCESS CALL
1703
ACCESS NETWORK
1704
CONTROL TASK
1705
PREPARE IMAGE DATA
1706
IMAGE PROCESSING?
YES
NO
1707
USER PROCESS IMAGE DATA
1708
CONTACT PROCESSOR
1709
SEND IMAGE DATA
1710
PROCESS IMAGE DATA
1711
TRANSMIT PROCESSED DATA
1712
VIEW IMAGE

FIG. 7


1800
1800
1800